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obtained by other means. It is proposed that this instrument be mounted at least temporarily at the International Latitude Observatory, Ukiah, California, where the astronomer in charge, Mr. Neubauer, will operate it for a year or two as a labor of love. The grant is needed to install the instrument at Ukiah and to make certain auxiliary apparatus required in its operation.

The Henry Draper Gold Medal has been awarded to Alfred Fowler, F.R.S., professor of astrophysics, Imperial College, South Kensington, London, at the time of the stated meeting in April, 1920, for his researches in celestial and laboratory spectroscopy, which have led to a valuable increase of our knowledge of sunspots, comets and the stars—especially red stars of Secchi's Type III.

ADDRESSES AT THE ST. LOUIS MEETING OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

As has been noted here the American Association will hold its seventy-second meeting in St. Louis from December 29 to January 3, under the auspices of the educational institutions of that city. With the period of reconstruction now at hand, and with a larger measure than ever before of general appreciation of the extreme importance and value to the country of scientific research, it is expected that this meeting will be one of unusual interest. The address of the retiring President of the Association, Dr. John Merle Coulter, of the University of Chicago, will be on "The Evolution of Botanical Research" and will be delivered at the opening General Session on Monday night, December 29. The addresses of the retiring vice-presidents of the sections, to be delivered throughout the week, are as follows:

Section A.—George D. Birkhoff. "Recent advances in dynamics."

Section B.—Gordon F. Hull. "Some aspects of physics in war and peace."

Section C.—Alexander Smith. "Chemistry as it is taught."

Section D.—Ira N. Hollis. "Industrial problems of the United States."

Section E.—David White. "Geology as taught in the United States."

Section F.—William Patten. "The message of the biologist."

Section G.—Albert F. Blakeslee. "Sexuality in the mucors."

Section H.—Aleš Hrdlička. "The relations of psychology and anthropology."

Section I.—John Barrett. "New after-the-war phases of practical Pan-Americanism."

Section K.—F. S. Lee. "The untilled fields of public health."

Section L.—Stuart A. Courtis. "The part played by heredity and maturity as factors conditioning the effects of training."

Section M.—Henry P. Armsby. "The organization of research."

On Tuesday night, December 30, Dr. Simon Flexner, president of the association, will deliver a popular lecture, complimentary to the members of the association and affiliated societies and to the general public.

MR. FRICK'S BEQUESTS

WITH the exception of approximately \$25,000,000 bequeathed to his family, relatives, friends and employees, the will of Henry C. Frick leaves his estate, believed to be worth approximately \$145,000,000, for public, charitable and educational purposes.

Mr. Frick's house and art collection in New York city, which after the termination of Mrs. Frick's life estate are to go to the public, are valued at approximately \$50,000,000. An endowment of \$15,000,000 is provided to maintain this as "The Frick Collection."

Pittsburgh, where much of Mr. Frick's wealth was acquired, receives a tract of about 151 acres of land in the 14th ward of that city for a park and \$2,000,000 in trust to maintain and improve the property.

The residuary estate to be divided into 100 shares valued at about \$500,000 each, is left to nineteen institutions.

Princeton University receives thirty of these shares, or about \$15,000,000.

Harvard receives ten shares, or about \$5,000,000.

The Massachusetts Institute of Technology receives ten shares, or about \$5,000,000.

Educational Fund Commission Pittsburgh, ten shares or about \$5,000,000.

Mercy Hospital, Pittsburgh, ten shares, or about \$5,000,000.

Thirteen shares are given to Mr Frick's

daughter, Helen, "in unqualified and absolute ownership," but with this suggestion: "It would, nevertheless, be agreeable to me that she should dispose of these amounts, that my general purpose in making these legacies should be accomplished, but this is merely the expression of my wish."

Institutions receiving one share or about \$500,000 each are as follows:

Pittsburgh Free Dispensary, Pittsburgh, one share.

Pittsburgh Newsboys' Home, one share.

Western Pennsylvania Hospital, Pittsburgh, one share.

Central Young Women's Christian Association, Pittsburgh, one share.

Uniontown Hospital, in Fayette county, Pa., one share.

Cottage State Hospital, in Connellsville, Pa., one share.

Westmoreland Hospital, in Greensburg, Pa., one share.

Mount Pleasant Memorial Hospital, of Mount Pleasant, Westmoreland County, Pa., one share.

Braddock General Hospital, of Allegheny county, Pa., one share.

Homestead Hospital, of Homestead, Pa., one share.

Children's Hospital, Pittsburgh, One share.

Allegheny General Hospital, Pittsburgh, one share.

Home for the Friendless, Pittsburgh, one share.

Kingsley Home Association, Pittsburgh, one share.

SCIENTIFIC NOTES AND NEWS

DR. RICHARD M. PEARCE, professor of research medicine in the University of Pennsylvania under the John Herr Musser Foundation, has accepted the position of director of the newly established division of medical education of the Rockefeller Foundation. Dr. Pearce has sailed for Europe to carry out work in the interest of the foundation.

DR. E. A. PETERSON, of Cleveland, Ohio, has been appointed director of the health service department recently created by the American

Red Cross to administer its peace-time activities in the health field. Dr. Peterson served during 1918-1919 as major with the American Red Cross commission on tuberculosis to Italy and had charge of the department of school hygiene. For the previous eight years he had been the director of the Department of School Health in Cleveland, Ohio. He has taken up the work and is located at National Headquarters, American Red Cross, Washington, D. C.

DR. P. G. ACNEW has resigned as physicist at the Bureau of Standards to become secretary of the American Engineering Standards Committee, with headquarters in the Engineering Building, 29 West 29th Street, New York.

THE National Academy of Sciences has awarded its medal for eminence in the application of science to the public welfare to Mr. Herbert C. Hoover for his applications of science in the conservation, selection and distribution of food. The medal will be conferred at the April meeting of the academy.

WILLIAM ORPEN, will paint a presentation portrait of Sir Clifford Allbutt, president of the British Medical Association, and a mezzotint engraving of the portrait will be executed by Mr. H. Macbeth-Reaburn.

THE annual address of the Entomological Society of America, at its St. Louis meeting, will be given by Dr. J. W. Holland, director of the Carnegie Institute, on the evening of December 30, the subject being "The evolution of entomological science in North America."

PROFESSOR T. L. HANKINSON, of the Eastern Illinois State Normal School, has accepted the position of ichthyologist at the Roosevelt Wild Life Forest Experiment Station, at the New York State College of Forestry at Syracuse. This station was established last May by the legislature of New York as a Wild Life Memorial to Theodore Roosevelt. Professor Hankinson will begin his duties at Syracuse on January 1. During the past five summers he has been working for the college on state fish surveys, in cooperation with Dr. Charles C.